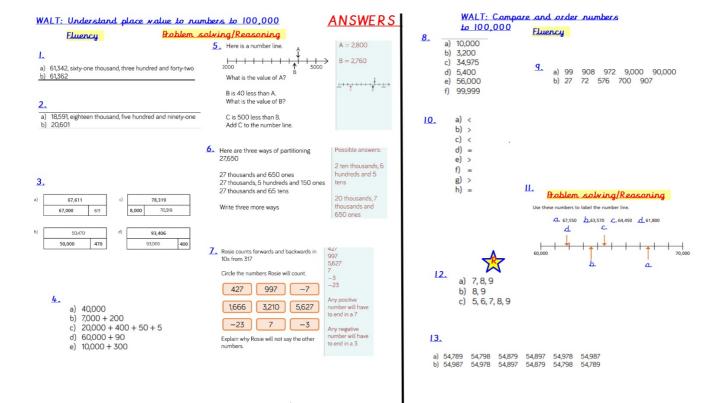


WA	LT: Un	derstand	the plac	e value i						
		Fluency	n the place value c		Broble			/Reasonin	g	
				harts?	<u>5.</u>	Complete	the nur	nber sentences.		
a)	HTh TTh	Th H	TQ				\dashv	6,480 = 376,480 76,480 = 576,480		
							- 7	6,480 = 300,000		
b)	HTh TTh	Th H	T O			576,480 -		= 76,480		
				6. Describe the v					000	
				of the following know?	g numbers. Ho	w do you		25,000	15,000	
c)	HTh TTh	Th H	т о					40,000		
		•		407,338 700.491			20,000	20,000		
					700,491			40	000	
2.	Write the w	due of the 3 i	n each number.		25,571			15,000	25,000	
	write the vi	ide of the 3 i	ii eucii iiuiiibei.					Draw the next three		
a) 387 b) 5,306		d) 307e) 531						Create your own pattern of bar models for a partner to continue.		
	c) 7,903	f) 603	3,956		8.	Dora is thin	king of	6-digit number.		
	artition each r	umber into its	parts. The first one	has been done for		•		odd number.		
3. a) 32.607 = 30.000 + 2.000 + 600 + 7						•	The smallest digit has the greatest value.			
b) 2.915 =						•	The gre	atest digit has the	mallest value.	
					The first and last digit add up to 10					
c) 30,316 =					-	•		t three digits also a		
d) 438,390 =					_			three digits add up middle digits are t		
е	769,688 = _					What could			ne same.	
,								t number and clues	to go with it.	
4.0	omplete the	table.				Share the cl	ues with	a partner to see if	they can find your number	
	Numerals	550,000		850,000						
	Words	five hundre and fifty thousand	and twenty		seven hundred and sixty-two thousand					

م000,000 مم000,			
Problem solving/Reasoning			
Amir writes the first five numbers of a sequence. They are 3,666, 4,666, 5,666, 6,666, 7,666 The 10 th term will be 15,322 because I will double the 5 th term. Is he correct? Explain why.			
I am counting up in 10s from 184 I will include 224			
I am counting up in 100s from 604 I will include 1,040			
I am counting up in 1,000s from 13 I will include 130,000 Who has made a mistake?			



WALT: Round numbers within 100,000 Fluency Reasoning 19. Round 59,996 to the nearest 10,000 Round 59,996 to the nearest 10,000 **ANSWERS** 14 22,000 rounds to 20,000 to the nearest 10,000 28,000 rounds to 30,000 to the nearest 10,000 25,000 rounds to 30,000 to the nearest 10,000 Can you think of three more numbers where the same thing could happen? 19,721 to the nearest 1,000 ar 10,000 a) 30,000 b) 80,000 c) 50,000 d) 10,000 697 to the no 10 and 100 e) 20,000 f) 0 22,982 to the nearest 100 and 1,000 70,000 20 Two 5-digit numbers have a difference of five. Two numbers with a difference of five where the last three digits are between 495 and 504 88,000 54,000 When they are both rounded to the nearest thousand, the difference is 1,000 73,000 What could the numbers be? e.g. 52,498 and 52,503 100,000

LZ.

- a) any three numbers from $39{,}500~\rm{up}$ to (but not including) $40{,}500~\rm{b})~39{,}500~\rm{c})~40{,}499$

WALT: Understand the place value of numbers to 1 million Fluency a) 104,379

ANSWERS

•

b) 804,363 HTh TTh *** ••

c) 92,715 HTh TTh *** •

d) 690,018 HTh TTh *** ***

Many possible answers e.g. they all have a digit total of 24, they are all less than a million they are all greater than 90,000 etc.

- a) Three hundred b) Three hundred c) Three ones

 - d) Three hundred thousand
 - e) Thirty thousand Three thousand

- b) 2,915 = 2,000 + 900 + 10 + 5 c) 30,316 = 30,000 + 300 + 10 + 6 d) 438,390 = 400,000 + 30,000 + 8,000 + 300 + 90 e) 769,688 = 700,000 + 60,000 + 9,000 + 600 + 80 + 8

620,000 Eight hundred and fifty thousand 762,000

Problem solving/Reasoning

300,000 300,000 376,480 500,000

Describe the value of the digit 7 in each of the following numbers. How do you know?

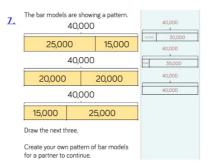
> 407,338 700,491

25,571

407,338: the value is 7 thousand. It is to the left of the hundreds column.

700,491: the value 700,491: the value is 7 hundred thousand. It is a 6-digit number and there are 5 other numbers in place value columns to the right of this number.

25,571: the value is 7 tens. It is one column to the left of the ones column.



Possible solutions are: 127,749 136,659 145,569 154,479 163,389

ANSWERS WALT: Count in 10s, 100s, 1000s, 10,000s, 100,000s

Fluency

8. a) 27 57 The sequence is increasing by 10 b) 119 129 159

b) 119 129 159
The sequence is increasing by 10
c) 575 775 975 1,075
The sequence is increasing by 100
d) 7,300 10,300 11,300 12,300
The sequence is increasing by 1,000
e) 6,290 6,260 6,250 6,240
The sequence is decreasing by 10

9.

 $\begin{array}{ll} 9,150 & 6,050 & 155,250 \\ \text{Since the sequence is increasing by 100 from term to term, the tens and ones digits will always remain the same <math>(50)$. Any values in the other columns are possible. any numbers that have 5 in the tens column and 0 in the ones column, e.g. 450 $& 19,950 \\ \end{array}$

10.

Circle and correct the mistake in each sequence.

* 7,875, 8,875, 9,875, 11,875, 12,875, 13,875, ...

864,664, 764,664, 664,664, 554,664, 444,664, ...

Problem

Amir writes the first five numbers of a sequence.

They are 3,666, 4,666, 5,666, 6,666, 7,666

The 10th term will be 15,322 because I will double the 5th term.

> I am counting up in 10s from 184 I will include 224



60

Is he correct? Explain why.

12.

Rosie has made a

The 10th term is 12,666 because

Amir is adding 1,000 each time.

He should have added 5,000 not doubled the 5th



I am counting up in 1,000s from 13 I will include 130,000 **@**

Who has made a mistake? Identify anyone who has made a mistake and explain how you know. mistake. She is counting in 100s; therefore the ones column should never change.

Jack has also Jack has also made a mistake as he is counting in 1,000s, so the tens and ones columns won't change.